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JAN 07 2005

AMENDMENT TO CLAIMS:

1. (Currently Amended) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image, said cutting member being disposed downstream in respect to said recording device in a conveying-direction of said recording medium;

a second conveyance member to convey said recording medium, said second conveyance member being disposed at a position located between said recording device and said cutting member in said conveying-direction of said recording medium; and

a conveyance controller to control said second conveyance member so as to generate a slack of said recording medium at a section between said recording device and said second conveyance member in said conveying-direction of said recording medium;

wherein said conveyance controller controls a conveying-velocity of said recording medium conveyed by said second conveyance member.

2.-4. (Canceled).

5. (Original) The image recording apparatus of claim 1,

wherein said conveyance controller controls a conveying-timing of said recording medium conveyed by said second conveyance member.

6. (Original) The image recording apparatus of claim 1, further comprising:

a cutting-position controller to control a cutting-position of said recording medium cut by said cutting member.

7. (Original) The image recording apparatus of claim 6, further comprising:

a cutting-position detector to detect said cutting-position of said recording medium;

wherein said cutting-position controller controls said cutting-position based on a result detected by said cutting-position detector.

8. (Original) The image recording apparatus of claim 7,
wherein said cutting-position detector detects a conveying-amount of said recording medium.
9. (Original) The image recording apparatus of claim 7,
wherein said cutting-position detector comprises a leading-edge detecting element for detecting a leading-edge of said recording medium.
10. (Original) The image recording apparatus of claim 9,
wherein said cutting-position detector is provided with a plurality of said leading-edge detecting elements, which are arranged at different positions relative to each other, corresponding to a plurality of image sizes to be recorded on said recording medium.
11. (Original) The image recording apparatus of claim 7,
wherein said cutting-position detector detects a cutting-position designating mark provided on said recording medium.
12. (Original) The image recording apparatus of claim 11,
wherein said recording device records said cutting-position designating mark onto said recording medium when said recording device records said image onto said recording medium.
13. (Original) The image recording apparatus of claim 11,
wherein said cutting-position designating mark is recorded on said recording medium in advance before said recording device records said image onto said recording medium.
14. (Original) The image recording apparatus of claim 11,
wherein said cutting-position designating mark is a pattern having a property of absorbing invisible wavelengths.

15. (Original) The image recording apparatus of claim 11,
wherein said cutting-position designating mark is provided on a recording surface of said recording medium, on which said image can be recorded.
16. (Original) The image recording apparatus of claim 11,
wherein said cutting-position designating mark is provided on a surface opposite to a recording surface of said recording medium, on which said image can be recorded.
17. (Original) The image recording apparatus of claim 11, further comprising:
an information recording device to record said cutting-position designating mark onto said recording medium.
18. (Original) The image recording apparatus of claim 11,
wherein said cutting member cuts said recording medium at two positions before and behind said cutting-position designating mark.
- 19.-20. (Canceled).
21. (Original) The image recording apparatus of claim 18,
wherein said cutting-position controller controls an interval distance between said two positions cut by said cutting member, corresponding to said image sizes to be recorded on said recording medium.
22. (Original) The image recording apparatus of claim 11,
wherein at least one of factors, including dimensions of said cutting-position designating mark, dimensions of patterns provided before and behind said cutting-position designating mark and dimensions of non-recording areas provided before and behind said cutting-position designating mark, is controlled corresponding to image sizes to be recorded on said recording medium.
23. (Canceled).

24. (Currently Amended) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image; and

an accumulating section to temporarily accumulate said recording medium on which said image is already recorded by said recording device, said accumulating section being disposed at a position located between said recording device and said cutting member;

wherein said accumulating section comprises an accumulating amount detector to detect an accumulating amount of said recording medium accumulated at said accumulating section and an operation of recording said image onto said recording medium by said recording device is temporarily stopped when said accumulating amount detector detects that said accumulating amount of said recording medium is larger than a first predetermined amount.

25.-29. (Canceled).

30. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image, said cutting member being disposed downstream in respect to said recording device in a conveying-direction of said recording medium;

a second conveyance member to convey said recording medium, said second conveyance member being disposed at a position located between said recording device and said cutting member in said conveying-direction of said recording medium; and

a conveyance controller to control said second conveyance member so as to generate a slack of said recording medium at a section between said recording device and said second conveyance member in said conveying-direction of said recording medium;

a cutting-position controller to control a cutting-position of said recording medium cut by said cutting member;

a cutting-position detector to detect said cutting-position of said recording medium;

wherein said cutting-position controller controls said cutting-position based on a result detected by said cutting-position detector;

said cutting-position detector detects a cutting-position designating mark provided on said recording medium;

said cutting member cuts said recording medium at two positions before and behind said cutting-position designating mark;

and said cutting member continuously cuts said recording medium at said two positions.

31. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image, said cutting member being disposed downstream in respect to said recording device in a conveying-direction of said recording medium;

a second conveyance member to convey said recording medium, said second conveyance member being disposed at a position located between said recording device and said cutting member in said conveying-direction of said recording medium; and

a conveyance controller to control said second conveyance member so as to generate a slack of said recording medium at a section between said recording device and said second conveyance member in said conveying-direction of said recording medium;

a cutting-position controller to control a cutting-position of said recording medium cut by said cutting member;

a cutting-position detector to detect said cutting-position of said recording medium;

wherein said cutting-position controller controls said cutting-position based on a result detected by said cutting-position detector;

said cutting-position detector detects a cutting-position designating mark provided on said recording medium;

said cutting member cuts said recording medium at two positions before and behind said cutting-position designating mark;

and said cutting member simultaneously cuts said recording medium at said two positions.

32. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image, said cutting member being disposed downstream in respect to said recording device in a conveying-direction of said recording medium;

a second conveyance member to convey said recording medium, said second conveyance member being disposed at a position located between said recording device and said cutting member in said conveying-direction of said recording medium; and

a conveyance controller to control said second conveyance member so as to generate a slack of said recording medium at a section between said recording device and said second conveyance member in said conveying-direction of said recording medium;

a cutting-position controller to control a cutting-position of said recording medium cut by said cutting member;

a cutting-position detector to detect said cutting-position of said recording medium;

wherein said cutting-position controller controls said cutting-position based on a result detected by said cutting-position detector;

said cutting-position detector detects a cutting-position designating mark provided on said recording medium;

and a time when said cutting-position detector detects said cutting-position designating mark is predicted in advance, and said cutting member cuts said recording medium when said cutting-position detector detects said cutting-position designating mark at said time predicted in advance.

33. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image; and

an accumulating section to temporarily accumulate said recording medium on which said image is already recorded by said recording device, said accumulating section being disposed at a position located between said recording device and said cutting member;

wherein said accumulating section comprises an accumulating amount detector to detect an accumulating amount of said recording medium accumulated at said accumulating section;

and an operation of cutting said recording medium by said cutting member is temporarily stopped when said accumulating amount detector detects that said accumulating amount of said recording medium is less than a second predetermined amount.

34. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image, said cutting member being disposed downstream in respect to said recording device in a conveying-direction of said recording medium;

a second conveyance member to convey said recording medium, said second conveyance member being disposed at a position located between said recording device and said cutting member in said conveying-direction of said recording medium;

a conveyance controller to control said second conveyance member so as to generate a slack of said recording medium at a section between said recording device and said second conveyance member in said conveying-direction of said recording medium; and

a first conveyance member to convey said recording medium, said first conveyance member being disposed upstream in respect to said second conveyance member in said conveying-direction of said recording medium;

wherein then said conveyance controller controls said first conveyance member and said second conveyance member so as to eliminate said slack of said recording medium;

and said recording device records an image onto said recording media then said recording medium is moved by a predetermined amount by the first conveyance member.

35. (New) The image recording apparatus of claim 34,

wherein said conveyance controller controls a conveying-velocity of said recording medium conveyed by said second conveyance member.

36. (New) The image recording apparatus of claim 34,

wherein said conveyance controller controls a conveying-timing of said recording medium conveyed by said second conveyance member.

37. (New) The image recording apparatus of claim 34, further comprising:

a cutting-position controller to control a cutting-position of said recording medium cut by said cutting member.

38. (New) The image recording apparatus of claim 37, further comprising:

a cutting-position detector to detect said cutting-position of said recording medium;
wherein said cutting-position controller controls said cutting-position based on a result detected by said cutting-position detector.

39. (New) The image recording apparatus of claim 38,

wherein said cutting-position detector detects a conveying-amount of said recording medium.

40. (New) The image recording apparatus of claim 38,

wherein said cutting-position detector comprises a leading-edge detecting element for detecting a leading-edge of said recording medium.

41. (New) The image recording apparatus of claim 40,

wherein said cutting-position detector is provided with a plurality of said leading-edge detecting elements, which are arranged at different positions relative to each other, corresponding to a plurality of image sizes to be recorded on said recording medium.

42. (New) The image recording apparatus of claim 38,

wherein said cutting-position detector detects a cutting-position designating mark provided on said recording medium.

43. (New) The image recording apparatus of claim 42,

wherein said recording device records said cutting-position designating mark onto said recording medium when said recording device records said image onto said recording medium.

44. (New) The image recording apparatus of claim 42,

wherein said cutting-position designating mark is recorded on said recording medium in advance before said recording device records said image onto said recording medium.

45. (New) The image recording apparatus of claim 42,

wherein said cutting-position designating mark is a pattern having a property of absorbing invisible wavelengths.

46. (New) The image recording apparatus of claim 42,

wherein said cutting-position designating mark is provided on a recording surface of said recording medium, on which said image can be recorded.

47. (New) The image recording apparatus of claim 42,

wherein said cutting-position designating mark is provided on a surface opposite to a recording surface of said recording medium, on which said image can be recorded.

48. (New) The image recording apparatus of claim 42, further comprising:
an information recording device to record said cutting-position designating mark onto said recording medium.
49. (New) The image recording apparatus of claim 42,
wherein said cutting member cuts said recording medium at two positions before and behind said cutting-position designating mark.
50. (New) The image recording apparatus of claim 49,
wherein said cutting member continuously cuts said recording medium at said two positions.
51. (New) The image recording apparatus of claim 49,
wherein said cutting member simultaneously cuts said recording medium at said two positions.
52. (New) The image recording apparatus of claim 49,
wherein said cutting-position controller controls an interval distance between said two positions cut by said cutting member, corresponding to said image sizes to be recorded on said recording medium.
53. (New) The image recording apparatus of claim 49,
wherein at least one of factors, including dimensions of said cutting-position designating mark, dimensions of patterns provided before and behind said cutting-position designating mark and dimensions of non-recording areas provided before and behind said cutting-position designating mark, is controlled corresponding to image sizes to be recorded on said recording medium.
54. (New) The image recording apparatus of claim 49,
wherein a time when said cutting-position detector detects said cutting-position designating mark is predicted in advance, and said cutting member cuts said recording medium

when said cutting-position detector detects said cutting-position designating mark at said time predicted in advance.

55. (New) An image recording apparatus, comprising:

a recording device to record an image on a recording medium by emitting ink onto said recording medium;

a cutting member to cut said recording medium after said recording device records said image;

an accumulating section to temporarily accumulate said recording medium on which said image is already recorded by said recording device, said accumulating section being disposed at a position located between said recording device and said cutting member; and

a first conveyance member to convey said recording medium, said first conveyance member being disposed upstream in respect to said second conveyance member in said conveying-direction of said recording medium;

wherein then said conveyance controller controls said first conveyance member and said second conveyance member so as to eliminate said slack of said recording medium and said recording device records an image onto said recording media then said recording medium is moved by a predetermined amount by the first conveyance member.

56. (New) An image recording apparatus of claim 55,

wherein said accumulating section comprises a fixed roller disposed at a stationary position to convey said recording medium and a movable roller moving in a variable position to apply a tension to a slack of said recording medium accumulated at said accumulating section.

57. (New) An image recording apparatus of claim 56,

wherein said accumulating section further comprises a forcing element to force said movable roller.

58. (New) An image recording apparatus of claim 55,

wherein said accumulating section comprises an accumulating amount detector to detect an accumulating amount of said recording medium accumulated at said accumulating section.

59. (New) An image recording apparatus of claim 58,

wherein an operation of recording said image onto said recording medium by said recording device is temporarily stopped when said accumulating amount detector detects that said accumulating amount of said recording medium is larger than a first predetermined amount.

60. (New) An image recording apparatus of claim 58,

wherein an operation of cutting said recording medium by said cutting member is temporarily stopped when said accumulating amount detector detects that said accumulating amount of said recording medium is less than a second predetermined amount.